	WHAT IS CLAIMED IS:
1	1. A vascular prosthesis comprising:
2	an expansible structure which is implantable within a body lumen; and
3	means on or within the structure for releasing methylprednisolone into the
4	body lumen to inhibit smooth muscle cell proliferation.
1	2. A prosthesis as in claim 1, wherein methylprednisolone is released at a
2	rate between 5 μg/day to 200 μg/day.
1	3. Aprosthesis as in claim 1, wherein methylprednisolone is released at a
2	rate between 10 μg/day to 60 μg/day.
1	4. A prosthesis as in claim 1, wherein methylprednisolone is released at
2	an initial phase wherein a rate of methylprednisolone release is between 0 μg/day to 50
3	μg/day and a subsequent phase wherein a rate of methylprednisolone release is between 5
4	μg/day to 200 μg/day.
1	5. A prosthesis as in claim 1, wherein methylprednisolone is released at
2	an initial phase wherein a rate of methylprednisolone release is between 5 µg/day to 30
3	μg/day and a subsequent phase wherein a rate of methylprednisolone release is between 10
4	μg/day to 100 μg/day.
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1	6. A prosthesis as in claim 1, wherein methylprednisolone is released at
2	an initial phase wherein a rate of methylprednisolone release is between 40 μg/day to 300
3	μg/day and a subsequent phase wherein a rate of methylprednisolone release is between 1
4	μg/day to 100 μg/day.
1	7. A prosthesis as in claim 1, wherein methylprednisolone is released at
2	an initial phase wherein a rate of methylprednisolone release\(\text{is}\) between 40 \(\mu\text{g}/\text{day}\) to 200
3	μg/day and a subsequent phase wherein a rate of methylprednisolone release is between 10
4	μg/day to 40 μg/day.
7	μg/day to 40 μg/day.
1	8. A prosthesis as in claim 1, wherein methylprednisolone is released at a
2	constant rate between 5 μg/day to 200 μg/day.
1	0 A mosthosis as in claim 1 wherein a total amount of
1	9. A prosthesis as in claim 1, wherein a total amount of

methylprednisolone release is in a range from 100 µg to 10 mg.

I	10. A prostnesis as in claim 1, wherein a total amount of
2	methylpredn solone release is in a range from 300 μg to 2 mg.
1	1. A prosthesis as in claim 1, wherein a total amount of
2	methylprednisolone release is in a range from 500 μg to 1.5 mg.
1	12. A prosthesis as in claim 1, wherein a mammalian tissue concentration
1	of methylprednisolone at an initial phase is within a range from 0 μg/mg of tissue to 100
2	
3	μg/mg of tissue.
1	13. A prosthesis as in claim 1, wherein a mammalian tissue concentration
2	of methylprednisolone at an initial phase is within a range from 0 μg/mg of tissue to 10
3	μg/mg of tissue.
1	14. A prosthesis as in claim 1, wherein a mammalian tissue concentration
2	of methylprednisolone at a subsequent phase is within a range from 1 picogram/mg of tissue
3	to 100 μg/mg of tissue.
1	15. A prosthesis as in claim 1, wherein a mammalian tissue concentration
2	of methylprednisolone at a subsequent phase is within a range from 1 nanogram/mg of tissue
3	to 10 μg/mg of tissue.
1	16. A prosthesis as in claim 1, wherein the expansible structure is a stent of
2	graft.
1	17. A prosthesis as in claim 1, wherein the means for releasing
2	methylprednisolone comprises a matrix formed over at least a portion of the structure.
1	18. A prosthesis as in claim 17, wherein the matrix is composed of a
2	material which undergoes degradation.
1	19. A prosthesis as in claim 17, wherein the matrix is composed of a
2	nondegradable material.
1	20. A prosthesis as in claim 19, wherein methylprednisolone is released by
2	diffusion through the nondegradable matrix.

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1	21. A prosthesis as in claim 17, wherein the matrix comprises multiple
2	layers, wherein at least one layer contains methylprednisolone and another layer contains
3	methylprednisolone, at least one substance other than methylprednisolone, or no substance.
1	22. A prosthesis as in claim 21, wherein the at least one substance other
2	than methylprednisolone is an immunosuppressive substance selected from the group
3	consisting of rapamycin, mycophenolic acid, riboflavin, tiazofurin, mizoribine, FK 506,
4	zafurin, and methotrexate.
1	23. A prosthesis as in claim 21, wherein the at least one substance other
2	than methylprednisolone is an agent selected from the group consisting of anti-platelet agent
3	anti-thrombotic agent, and IIb/IIIa agent.
1	24. A prosthesis as in claim 1, wherein the means for releasing
2	methylprednisolone comprises a rate limiting barrier formed over at least a portion of the
3	structure.
1	25. A prosthesis as in claim 24, wherein methylprednisolone is released by
2	diffusion through the rate limiting barrier.
1	26. A prosthesis as in claim 1, wherein the means for releasing
2	methylprednisolone comprises a reservoir on or within the structure containing
3	methylprednisolone and a cover over the reservoir.
1	27. A prosthesis as in claim 1, wherein methylprednisolone is on or within
2	the expansible structure.
1	28. A prosthesis as in claim 1, wherein methylprednisolone is disposed
2	within a matrix or rate limiting membrane.
1	29. A vascular prosthesis comprising:
2	an expansible structure implantable within a body lumen; and
3	a rate limiting barrier on the structure for releasing methylprednisolone into
4	the body lumen to inhibit smooth muscle cell proliferation;
5	wherein the barrier comprises multiple layers, each layer comprising parylast
6	or paralene and having a thickness in a range from 50 nm to 10 microns.

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1	$\sqrt{30}$ . A prosthesis as in claim 29, wherein methylprednisolone is released at
2	a rate between 5 μg/day to 200 μg/day.
	A prosthesis as in claim 29, wherein methylprednisolone is released at
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2	a rate between 10 μg/day to 60 μg/day.
1	32. A prosthesis as in claim 29, wherein at least one layer contains
2	methylprednisolone and another layer contains methylprednisolone, at least one substance
3	other than methylprednisolone, or no substance.
1	33. A vascular prosthesis comprising:
2	an expansible structure;
3	a source of methylprednisolone on or within the structure, wherein the
4	methylprednisolone is released from the source when the expansible structure is implanted in
5	a blood vessel; and
6	a source of at least one other substance in addition to methylprednisolone on
7	or within the structure, wherein the at least one additional substance is released from the
8	source when the expansible structure is implanted in a blood vessel.
1	34. A prosthesis as in claim 33, wherein the at least one additional
2	substance is an immunosuppressive substance selected from the group consisting of
3	rapamycin, mycophenolic acid, riboflavin, tiazofurin, mizoribine, FK 506, zafurin, and
4	methotrexate.
1	35. A prosthesis as in claim 33, wherein the at least one additional
2	substance comprises at least one agent selected from the group consisting of anti-platelet
3	agent, anti-thrombotic agent, and IIb/IIIa agent.
1	36. A prosthesis as in claim 33, wherein each source comprises a matrix,
2	rate limiting membrane, or reservoir.
1	37. A method for inhibiting restenosis in a blood vessel following
2	recanalization of the blood vessel, said method comprising:
3	implanting a vascular prosthesis in the blood vessel; and
4	releasing methylprednisolone into the blood vessel so as to inhibit smooth
5	muscle cell proliferation

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thrombotic agent, and IIb/IIIa agent.

A method as in claim 45, wherein delaying release comprises slowing

comprises at least one agent selected from the group consisting of anti-platelet agent, anti-

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- A method as in claim 52, wherein methylprednisolone and the at least one additional substance are released simultaneously.
- 1 59. A method as in claim 52, wherein methylprednisolone and the at least 2 one additional substance are released sequentially.

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